09/942,812

PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Application No.

TRANSMITTAL FORM		, ipplication rec	0)//	72,012		
	Filing Date	Aug	ust 29, 2001	REC		
(to be used for all correspondence after	First Named Inventor	Ken	Shoemaker			
		Group Art Unit	2183	3	MAR 1	
		Examiner Name			Technology (
Total Number of Pages in This Submissi	on 8	Attorney Docket Number	er 4239	90P10127		
ENCLO	SURES (chec	ck all that apply)				
Fee Transmittal Form	Assignmen	e e e e e e e e e e e e e e e e e e e		After Allowance Co to Group	ommunication	
Fee Attached	☐ Drawing(s)			Appeal Communication to Board of Appeals and Interferences		
Amendment / Response	Licensing-	related Papers		Appeal Communication (Appeal Notice, British		
☐ After Final ☐ Affidavits/declaration(s)	Petition			Proprietary Informa	ation	
Extension of Time Request	Petition to Provisional	Convert a Application		Status Letter		
Express Abandonment Request	Power of Attorney, Revocation Change of Correspondence Address			Other Enclosure(s) (please identify bel		
Information Disclosure Statement	Terminal Disclaimer			statement under 3.73 (b)	37 CFR	
☐ PTO/SB/08 ☐ Certified Copy of Priority ☐ Document(s)	Request for Refund			- return postcard		
	CD, Number of CD(s)					
Response to Missing Parts/ Incomplete Application Basic Filing Fee	Remarks					
Declaration/POA						
Response to Missing Parts under 37 CFR 1.52 or 1.53						
SIGNATURE	OF APPLICA	NT, ATTORNEY, OR	AGENT			
Firm Gregory D. Cal	dwell, Reg. N	o. 39,926				
or Individual name BLAKELY, S	OKOLOFF,	TAYLOR & ZAF	MAN	LLP		
Signature						
Date March 3, 2003	3		_			
CERTIF	CATE OF MAIL	ING/TRANSMISSION				
hereby certify that this correspondence is bufficient postage in an envelope addressed	eing deposited w to: Assistant Cor	ith the United States Pos nmissioner for Patents, V	tal Servi Vashingt	ce as First Class ma on, D.C. 20231 on: March 3	l l	
Typed or printed name Annie G. Per	arson					
				March 3		

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PTO/SB/17 (01-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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		for	FY	200	3	

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27. П

Signature

TOTAL AMOUNT OF PAYMENT (\$) 0.00

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Application Number	09/942,812	RECEIVED
Filing Date	August 29, 2001	TILVETYED
First Named Inventor	Ken Shoemaker	WAD 1 1 4000
Examiner Name		MAR 1 1 2003
Group/Art Unit	2183	Tochnologic
Attorney Docket No.	42390P10127	Technology Center 2100

Date

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)							
☐ Check ☐ Credit card ☐ Money ☐ Other ☑ None	3. A	DDITIO	NAL	FEES	3			
Deposit Account	Large	e Entity	Sma	ll Entity	,			
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Deposit Account 02-2666	Code	(\$)	Code	(\$)	Fee	Description		Fee Paid
Number	1051 1052	130 50	2051 2052	65 25	Surcharge - late filing		_	
Account Blakely, Sokoloff, Taylor & Zafman LLP	1032	30	2032	25	Surcharge - late prov cover sheet.	isional liling lee of		
Name Diakery, Societt, Taylor & Zamitan Eler	2053	130	2053	130	Non-English specifica	ation		
The Commissioner is authorized to: (check all that apply)	1812	2,520	1812	2,520		filing a request for ex parte reexamination		
Charge fee(s) indicated below Credit any overpayments	1804	920*	1804	920 1	Requesting publication of SIR prior to Examiner action			
Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20	1805	1,840 *	1805	1,840	Requesting publication	on of SIR after		
Charge fee(s) indicated below, except for the filling fee					Examiner action			
to the above-identified deposit account	1251	110	2251	55	Extension for reply wi	thin first month		
FEE CALCULATION	1252	410	2252	205	Extension for reply wi	thin second month	n	
1. BASIC FILING FEE	1253	930	2253	465	Extension for reply wi	thin third month		
Large Entity Small Entity	1254	1,450	2254	725	Extension for reply wi	thin fourth month		
Fee Fee Fee Fee Fee Paid Code (\$) Code (\$)	1255	1,970	2255	985	Extension for reply wi	thin fifth month		
1001 750 2001 375 Utility filing fee	1404	320	2401	160	Notice of Appeal			
1002 330 2002 165 Design filing fee	1402	320	2402	160	Filing a brief in suppo	rt of an appeal		
1003 520 2003 260 Plant filing fee	1403	280	2403	140	Request for oral hear	ing		
1004 750 2004 375 Reissue filing fee	1451	1,510	2451	1,510	Petition to institute a		ding	
1005 160 2005 80 Provisional filing fee	1452	110	2452	55	Petition to revive - un	avoidable		
SUBTOTAL (1) (\$)	1453	1,300	2453	650	Petition to revive - un	intentional		
	1501	1,300	2501	650	Utility issue fee (or re	issue)		
2. EXTRA CLAIM FEES Extra Fee from	1502	470	2502	235	Design issue fee			
Total Claims below Fee Paid	1503	630	2503	315	Plant issue fee			
- 20	1460	130	2460	130	Petitions to the Comm			
Claims X X X X Multiple Dependent	1807	50	1807		Processing fee under	- "		
	1806	180	1806	180	Submission of Inform			
Large Entity Small Entity Fee Fee Fee Fee Fee Description	8021	40	8021	40	Recording each pater property (times numb			
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1202 18 2202 9 Claims in excess of 20					(37 CFR § 1.129(a))			
1201 84 2201 42 Independent claims in excess of 3	1810	750	2810	375	For each additional in examined (37 CFR §			
1203 280 2203 140 Multiple Dependent claim, if not paid	1801	750	2801	375	Request for Continue		CE)	
1204 84 2204 42 **Reissue independent claims over original patent	1802	900	1802	900	Request for expedited	•	,	
1205 18 2205 9 **Reissue claims in excess of 20 and over		e (specify)			of a design application			0.00
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**or number previously paid, if greater, For Reissues, see below	"Reduced	by Basic Film	g Fee Pa	ia .	S	SUBTOTAL (3)	(\$)	0.00
SURMITTED BY						Comp	lete (if applica	ble)
Name (Print/Type) Gregory D. Caldwell	egistratio		1 2	9,926		(503) 68 ⁴		
Gregory D. Caldwey	(Al	ttorney/Age	nt)	13	7,740	Telephone		
Signature						Date	03/03	3/03

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

the Application No. of:

KEN SHOEMAKER

Application No.: 09/942,812

Filing Date: August 29, 2001

For: APPARATUS AND METHOD FOR

SWITCHING THREADS IN

MULTI-THREADING PROCESSORS

Art Group: 2183

RECEIVED

Examiner:

MAR 1 1 2003

Technology Center 2100

Assistant Commissioner for Patents Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST (REVOCATION OF PRIOR POWERS)

As assignee of record of the entire interest of the above-entitled

- ⊠ application,
- patent,

6

REVOCATION OF PRIOR POWERS OF ATTORNEY

all powers of attorney previously given are hereby revoked and

NEW POWER OF ATTORNEY

the attorney(s) and/or agent(s) listed on Appendix A hereto (which is incorporated by reference and a part of this document) are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected herewith.

(check the following item, if applicable)

Attached, as part of this power of attorney, is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO: Gregory D. Caldwell, Reg. No. 39,926 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025 DIRECT TELEPHONE CALLS TO: Gregory D. Caldwell at (503) 684-6200

Docket No.: 42390P10127

	INTEL CORPORATION
	(type or print identity of assignee of entire interest)
	2200 Mission College Boulevard Address
	Santa Clara, California 95052-8119
 Recorded in PTO on01/08/2002 Reel012445 Frame0301 Recorded herewith. 	
ASSIG	NEE STATEMENT
Attached to this power is a "STATEMEN"	Г UNDER 37 CFR 3.73(b)."
Date: 2/4/03	David M. Simon, Director of Patents (type or print name of person authorized to sign on behalf of
	assignee)
	Title
NOTE: The assignee of the entire interest may revoke selection. 37 CFR 1.36.	previous powers and be represented by an attorney of his or her
(check the following item, ij	f it forms a part of this power of attorney)
☐ Authorization of attorney(s) to accept and for	ollow instructions from representative.
	IZATION OF ATTORNEY(S) TO ACCEPT AND TONS FROM REPRESENTATIVE
The undersigned to this power of attorn herein to accept and following instructions	ney hereby authorize(s) the US attorney(s) named s from
	authorized representative(s)
2200 Mis Address	ssion College Boulevard
	ara, California 95052-8119
	and Trademark Office regarding this application

as to any actions to be taken in the Patent and Trademark Office regarding this application without direct communication between the US attorney(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the US attorney(s) will so be notified by the undersigned.

Docket No.: 42390P10127

APPENDIX A

I hereby appoint with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP, a firm including: Ramin Aghevli, Reg. No. 43,462; William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Thomas M. Coester, Reg. No. 39,637; Mimi D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. DeVos, Reg. No. 37,813; Sanjeet K. Dutta, Reg. No. 46,145; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George L. Fountain, Reg. No. 36,374; Adam Furst, Reg. No. 51,710; Angelo J. Gaz, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40.621; Mark A. Goldstein, Reg. No. 50,759; Michael D. Graham, Reg. No. 51,751; Alan E. Heimlich, Reg. No. 48,808; James A. Henry, Reg. No. 41,064; William E. Hickman, Reg. No. 46,771; Libby H. Hope, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steven Laut, Reg. No. 47,736; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan C. Little, Reg. No. 41,181; Joseph Lutz, Reg. No. 43,765; Lawrence E. Lycke, Reg. No. 38,540; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Raul D. Martinez, Reg. No. 46,904; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Richard A. Nakashima, Reg. No. 42,023; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Gregg A. Peacock, Reg. No. 45,001; Philip A. Pedigo, Reg. No. 52,107; Marina Portnova, Reg. No. 45,750; Joseph A. Pugh, Reg. No. 52,137; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39.018; James C. Scheller, Reg. No. 31,195; Saina S. Shamilov, Reg. No. 48,266; Kevin G. Shao, Reg. No. 45,095; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; Lisa Tom, Reg. No. 52,291; John F. Travis, Reg. No. 43,203; Thomas J. Treutler, Reg. No. 51,126; Kerry D. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Thomas Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; Glenn E. Von Tersch, Reg. No. 41,364; John P. Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Brent E. Vecchia, Reg. No. 48,011; and Lehua Wang, Reg. No. 48,023; my patent agents. with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800; and James R. Thein, Reg. No. 31,710, my patent attorney. I also appoint Alan K. Aldous, Reg. No. 31,905; Rob D. Anderson, Reg. No.33,826; R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert A. Burtzlaff, Reg. No. 35,466; George Chen, Reg. No. 50,807; Kenneth J. Cool, Reg. No. 40,570; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Christopher K. Gagne, Reg. No. 36,142; Sharmini N. Green, Reg. No. 41,410; Robert A. Greenberg, Reg. No. 44,133; Bradley A. Greenwald, Reg. No. 34,341; Jeffrey B. Huter, Reg. No. 41,086; John Kacvinsky, Reg. No. 40,040; Seth Z. Kalson, Reg. No. 40,670; John F. Kacvinsky, Reg. No. 40,040; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; Anthony M. Martinez, Reg. No. 44,223; Larry Mennemeier, Reg. No. 51,003; Paul Nagy, Reg. No. 37,896; Dennis A. Nicholls, Reg. No. 42,036; Leo V. Novakoski, Reg. No. 37,198; Lanny L. Parker, Reg. No. 44,281; Michael A. Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Kenneth M. Seddon, Reg. No. 43,105; Mark V. Seeley, Reg. No. 32,299; David M. Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Paul E. Steiner, Reg. No. 41,326; Calvin E. Wells; Reg. No. 43,256; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242 and Charles K. Young, Reg. No. 39,435; and my patent agent Michael Willardson, Reg. No. 50,856; of INTEL CORPORATION; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Docket No.: 42390P10127 Page 3





MAR 1 1 2003

Technology Center 2100

n a	W.				STATE	MENT UN	IDER 3	37 CFR 3.73(b)	Docket N	o. 42390P10127
App	olicar	nt/Pat	tent Ow	ner:	Intel Co	rporation				
App	olicat	ion N	lo./Pate	ent No.:	0	9/942,812	····	Filing/Issue Date:	8/2	9/2001
Ent	itled:	AF	PARA	TUS_A	ND MET	HOD FOR S	SWITCE	IING_THREADS_I	N MULTI-TI	HREADING_
		Inte	l Corp	OSESS	ORS	, a Corpora	tion		···	,
		(Name of A	Assignee)		(Type of	Assignee, e	e.g., corporation, partnershi	ip, university, gover	nment agency, etc.)
stat	es th	at it i	s:							
			_		_	ght, title and i I part interest		or		
in th	ne pa	atent	applica	tion/pat	ent identi	ified above b	y virtue	of either:		
A. OR		assi	gnment	was re		the Patent a	•	application/patent emark Office at Re		
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	(IVC	<u>)TE</u> :	docum	nent) m	ust be sul	bmitted to As	ssignmer	nt document or a to nt Division in accor ords of the PTO. <u>S</u>	dance with 37	CFR Part 3, if
The	und	ersign	ed (who	ose title i	s supplied	l below) is em	powered	to sign this statemer	nt on behalf of a	assignee.
	-		2/4	Date			_		A Signature	
								David M. Sim	•	of Patents
							_	Typed	or printed nam	е
							_		Title	